

Friday March 29
10 am-8 pm

Saturday March 30
9 am-3 pm

19

Man-Made World

74

Engineering Open House

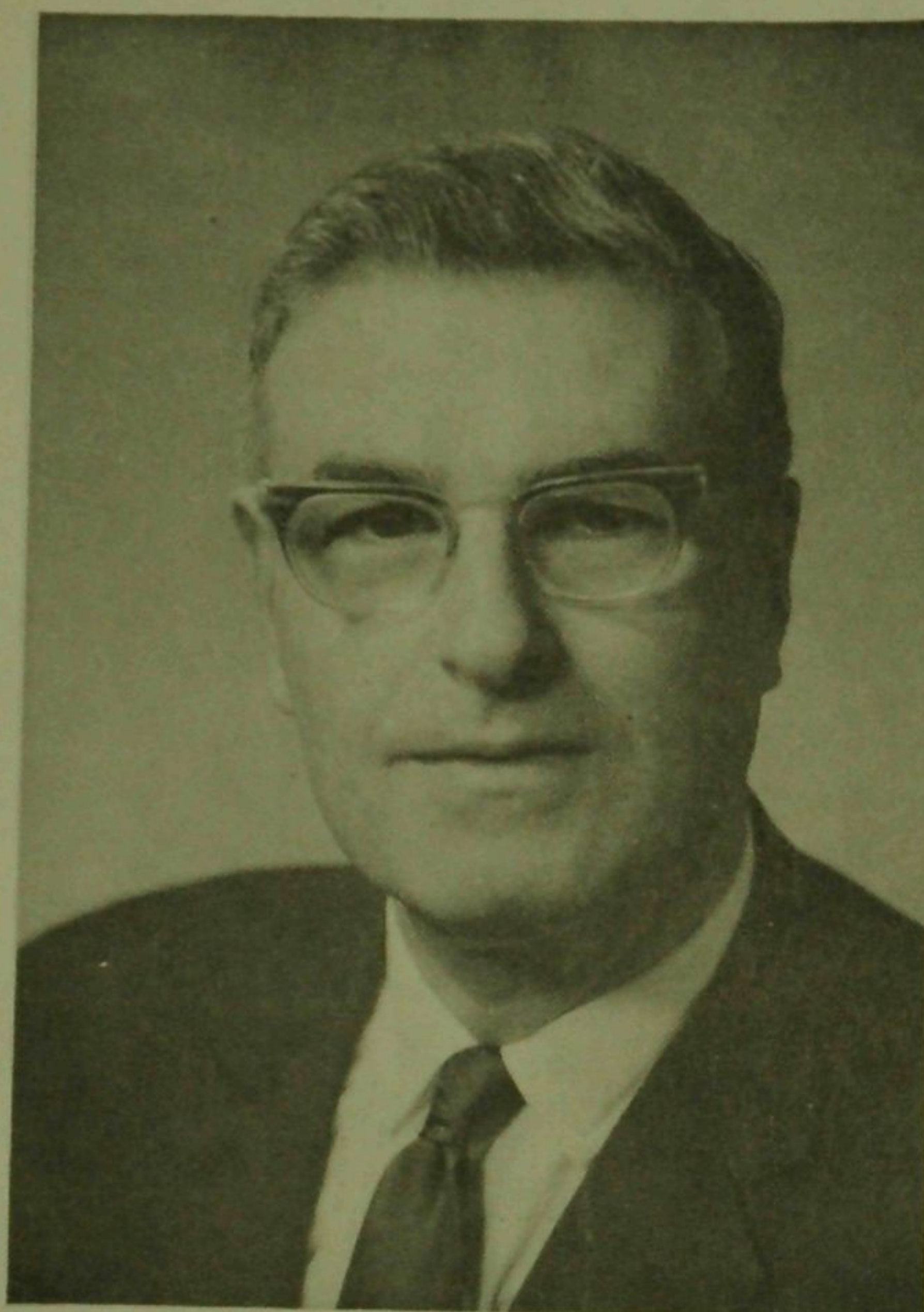
College of Engineering University of Illinois at Urbana-Champaign

WELCOME TO ENGINEERING OPEN HOUSE, 1974

"A Man-Made World"

The theme of Open House 1974 is one of pride mixed with great concern. We do indeed live in a man-made world. With all the great benefits have come many imperfections. More and more the engineer must concentrate on removing the imperfections so that all of the present generation will share in the advantages of modern civilization. The engineer must insure that future generations will be aided rather than disadvantaged by those of us who live on earth today. The fuel and energy crises, the impending shortages of many materials, and the widespread poverty throughout the world remind us continually that the job of the engineer has just begun. Engineering is design of and for the future as well as today. In a world with finite resources, the skills of the engineer are essential for survival and permit the pursuit of happiness.

All the students and the faculty of the College of Engineering join me in welcoming you. We are committed to the search for solutions to our pressing problems through the education of our students and through our research which is an integral part of the educational process. We are pleased to have this opportunity to demonstrate for you a sample of the wide range of interesting, useful, and forward-looking activities within the College of Engineering of the University of Illinois at Urbana-Champaign.



Dean D. C. Drucker

INDUSTRIAL CONTRIBUTORS TO STUDENT ACTIVITIES PROGRAMS

Aluminum Company of America
Caterpillar Tractor Company
Charmin Paper Products Company
Commonwealth Edison
CF&I Steel Corporation,
A Subsidiary of Crane Company

Deere & Company
E. I. du Pont de Nemours and Company
Ford Motor Company
Gardner-Denver Company
Harris-Intertype Company
Harza Engineering Company
Illinois Bell Telephone Company
Illinois Power Company
Illinois Tool Company

IBM Corporation
McDonnell Douglas
Monsanto
Sangamo Electric Company
Sargent & Lundy
Signode Foundation, Inc.
Sundstrand Corporation
Union Carbide Corporation

INDUSTRIAL FIRMS EXHIBITING AT OPEN HOUSE

Caterpillar Tractor Company
General Motors Corporation
Hewlett-Packard Company
IBM Corporation
International Harvester Company
McDonnell Douglas
Microdata, Inc.

MAR 29 1974 1974 ENGINEERING OPEN HOUSE CENTRAL COMMITTEE

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Randy Davis
Chuck Eckhoff
Bill Harris
Larry Kienzler*
Tony Kruger
Bob Longua*
Landis Ragon

Larry Schultz
Jason Theios
Jim Ulinski
Steve Wetter*

*Co-chairmen

C. S. Larson
Assistant Dean

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Jeff Smith
Jerry Starkey
Tom Starr
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** Co-chairman

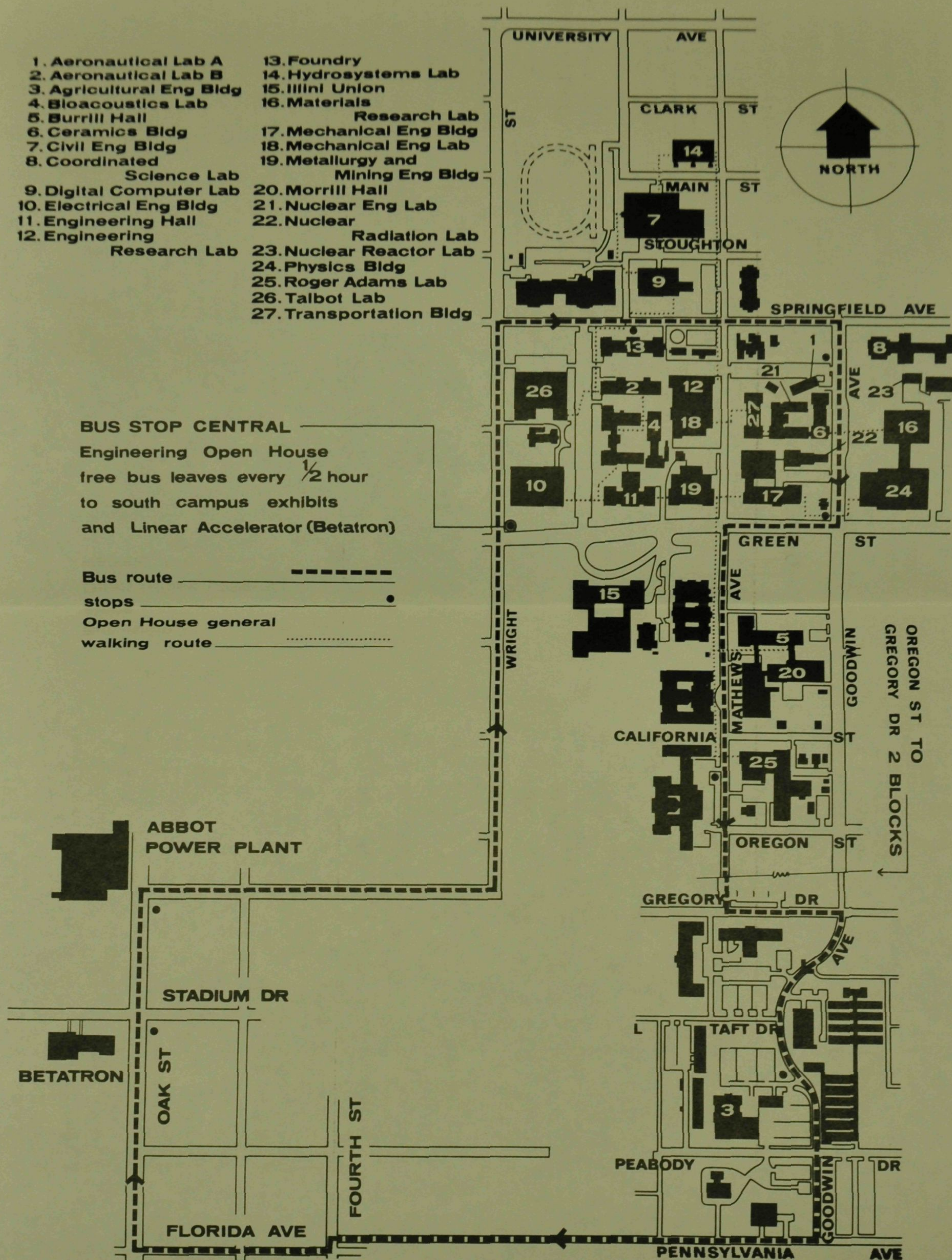
1. Aeronautical Lab A
2. Aeronautical Lab B
3. Agricultural Eng Bldg
4. Bioacoustics Lab
5. Burrill Hall
6. Ceramics Bldg
7. Civil Eng Bldg
8. Coordinated Science Lab
9. Digital Computer Lab
10. Electrical Eng Bldg
11. Engineering Hall
12. Engineering Research Lab

13. Foundry
14. Hydrosystems Lab
15. Illini Union
16. Materials Research Lab
17. Mechanical Eng Bldg
18. Mechanical Eng Lab
19. Metallurgy and Mining Eng Bldg
20. Morrill Hall
21. Nuclear Eng Lab
22. Nuclear Radiation Lab
23. Nuclear Reactor Lab
24. Physics Bldg
25. Roger Adams Lab
26. Talbot Lab
27. Transportation Bldg

BUS STOP CENTRAL

Engineering Open House
free bus leaves every 1/2 hour
to south campus exhibits
and Linear Accelerator (Betatron)

Bus route -----
stops .
Open House general
walking route



HIGHLIGHTS OF EOH 1974

METALLURGY AND MINING ENGINEERING, BLDG. 19

Metallography-Microstructures
of Metal
Scanning Electron Microscope
Memory Metal
Casting Demonstration

CIVIL ENGINEERING, BLDG. 7

Structural Testing Machine
Earthquake Machine
Tunnel Project

AGRICULTURAL ENGINEERING, BLDG. 3

Advanced Corn Drying Techniques
Soybean Damage Detection
Fiber-reinforced Concrete
Model Oxidation Ditch
I-H Cyclo-Planter

CERAMIC ENGINEERING, BLDG. 6

Ceramic Coatings
Pyrometry

MECHANICAL AND INDUSTRIAL ENGINEERING, BLDG. 17

Inertial Welding
Heat Dump
Vortex Tube
Coal Dust Combustion
Bioengineering

PHYSICS, BLDG. 24

Confinement of Plasmas
with Magnetic Fields
Holography
Metal Vapor Laser (Cd-He)
Exhibit on National Accelerator
Laboratory (Located in Betatron
Building on Oak Street, ride the
Open House bus.)

CHEMICAL ENGINEERING, BLDG. 25

Distillation Column
Electrostatic Precipitator
Absorption Impact Towers

THEORETICAL AND APPLIED MECHANICS, BLDG. 26

Concrete Crusher
Hydrodynamics

ELECTRICAL ENGINEERING, BLDG. 10

Flame Speaker
Kirlian Photography
Miniature Satellite Tracking Model
Abbott Power Plant
(Located on Oak Street, ride the
Open House bus.)

AERONAUTICAL AND ASTRONAUTICAL ENGINEERING, BLDG. 2

Wind Tunnel
Ramjet
Acoustics

COMPUTER SCIENCE, BLDG. 9

IBM System-360 Tours
Space War on the PDP-8
PDP-11, the Computer That Talks

ANALOG COMPUTER DISPLAYS

Located in Buildings 3, 10, 19,
and 27